

To: Kumar, Ashij (EC/EC)[ashij.kumar@canada.ca]
Cc: Gavin.Christie@dfo-mpo.gc.ca[Gavin.Christie@dfo-mpo.gc.ca]; Turner, Todd (todd_turner@fws.gov)[todd_turner@fws.gov]; Schardt, James[schardt.james@epa.gov]
From: Hoff, Michael
Sent: Tue 2/23/2016 7:04:05 PM
Subject: Re: AIS Progress Report of the Parties chapter
AIS Annex Report of the Parties Draft 23 Feb 2016.docx

Thank you, Ash, for your review and associated comments and recommendations. I believe I addressed all the comments and recommendations I can--attached is the updated version. Gavin, there are some needs to enter information for: Canada (beyond what is available from previous presentations delivered to the GLEC, and the results of activities conducted by the Outreach and Education Task Team.

Ash, regarding one of your comments in your previous message, the "Undertake ecological assessments of Aquatic Invasive Species (AIS) prevention programs. [?]" is reported on the the attachment. Specifically, the following text addresses that action:

- **"Historically, an average of one nonnative species was found to be established in the Great Lakes about every 8 months. Most of those introductions resulted from ballast water discharge. No ballast-mediated introductions, and no additional introductions from other pathways, have resulted in establishment of a nonnative species since 2006. Thus, the risk of all pathways, including and especially ballast, has been reduced.**

Todd and Gavin: I recommend that the attached draft be sent out to the Subcommittee membership, for review and modifications (particularly for modifications that report on additional progress), at your earliest convenience.

On Thu, Feb 18, 2016 at 12:58 PM, Kumar, Ashij (EC/EC) <ashij.kumar@canada.ca> wrote:

Gavin, Mike, Todd – first, I noticed that somehow the text (commitment 3a) in the final early detection rapid response report/table that I sent in another email got deleted – I've attached the table with this text re-inserted.

Secondly, I've taken your AIS chapter text and tried to adapt it to the format of the Nutrients Chapter (minus any formatting which will be done at some later point). I've embedded some comments in the draft itself and have some general comments outlined below (but these are just my personal views):

- Re. Overview – good summary of issue. Just had some minor edits/comments you

can ignore if you don't like them. The consistency re. GLWQA reference, how Canada & US appear etc. will be addressed later on.

- Re. 2014-16 Binational Priorities for Science and Action – I don't believe you need to specifically reference but do keep them in mind though in terms of highlighting those key GLWQA commitments from your annex that you want to report against in this first 3yrs. I looked at your 2014-16 Priorities and seems most of them will get covered off (or at least I see US text at the moment for them) except I'm not sure the first bullet is really discussed (see table below).

<ul style="list-style-type: none"> • Undertake ecological assessments of Aquatic Invasive Species (AIS) prevention programs. [?] • Develop and evaluate early AIS detection technologies and methods. [✓] • Research and develop technologies and methods for control and eradication of AIS. [✓] • Determine the effects of habitat and climate change on risks of AIS establishment. [habitat? CC✓] • Implement and evaluate risk assessments of species, pathways, and vectors of AIS. [✓] 	<ul style="list-style-type: none"> • By 2015, develop and implement an early detection and rapid response initiative that coordinates effective domestic and, when necessary, binational response to prevent AIS from becoming established in the Great Lakes. [✓]
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- The key GLWQA commitments have been put into a box in blue and then a short description of the activities outlined below the box in bullet form (following the Nutrients Annex draft).

- Re. early detection and rapid response initiative key commitment – I suggest not including the detailed table but instead summarizing it and pointing the reader to the detailed report/table on binational.net (which will have to be complete and online before Aug/Sept). There's some language you'll want to change / verify here that I may have inserted.

- Binational action vs domestic actions. I noted that some of the text listed as bullets

in your draft (under the table) was specific to the US activities. So you could in fact split out these domestic actions – I just wasn't sure if these activities were binationally undertaken or if Canada participated in some form or if it's easy to split this text out solely under "Domestic Actions". Also, you may be soliciting domestic actions to include from your subcommittee which would help populate this section – it'll have to be short regardless.

- **Gavin** – Canadian input will be required at some point / even short placeholders to say it's coming.

- I really like the idea of using "boxed stories" with appropriate photos / images to highlight / illustrate specific activities you're discussing. It makes it more visual and interesting, but again just my view.

Ash

From: Hoff, Michael [mailto:michael_hoff@fws.gov]

Sent: February 12, 2016 8:47 AM

To: Kumar, Ashij (EC/EC)

Cc: Schardt, James; Todd Turner; Gavin Christie

Subject: Re: Don't worry about formatting... RE: GLWQA Progress Report of the Parties - template and timeline

Thank you, Ash!

Todd and Gavin: I recommend:

- taking Ash up on his offer to reformat, next week, the draft text (including any additions from Gavin)
- then sending the updated version to the Subcommittee to request input (especially additions).

On Fri, Feb 12, 2016 at 7:38 AM, Kumar, Ashij (EC/EC) <ashij.kumar@canada.ca> wrote:

I may not be understanding the “re-organization to the priorities” comment fully. The Nutrients Annex draft lists activities/accomplishments/progress linked under a specific commitment from the annex. There’s no linkage to the priorities. I’d organize the text in the best way to tell your annexes’ story of what was done in the 3yr and I’m assuming all your 2013-2016 priorities will be captured. I wouldn’t be held to the “order” your priorities is listed (but guessing that is not what Jamie meant). I’d default to Jamie’s advice though since the Nutrients Annex draft came from EPA and Mike Goffin agreed to it.. we didn’t see any specific linkage to priorities but understood co-leads would keep their priorities in mind when drafting their text – ie to ensure they’re reporting on the key commitments from their annex for 2013-2016.

But if the idea is to solicit input from your subcommittee I’d just send out what you have; say it’s an early draft; and you could send out the Nutrients eg to show what the final will look like; and then ask for input as Jamie suggested.

If you like, someone in my group and myself may be able to reformat your text similar to the Nutrients Annex (minus the colourful formatting stuff) but likely wouldn’t get to it till next week. I looked at your draft and have some initial thoughts.

Ash

From: Hoff, Michael [mailto:michael_hoff@fws.gov]

Sent: February 12, 2016 6:58 AM

To: Schardt, James

Cc: Kumar, Ashij (EC/EC); Todd Turner; Gavin Christie

Subject: Re: Don't worry about formatting... RE: GLWQA Progress Report of the Parties - template and timeline

Thank you, Jamie. I will soon review and edit the draft content to address your comment about reorganization (i.e., "re-organize the write up so it directly parallels the official Science and Action Priorities identified by Annex 6 at the beginning of the three year management cycle as listed in binational.net")

On Thu, Feb 11, 2016 at 3:25 PM, Schardt, James <schardt.james@epa.gov> wrote:

Mike, I haven't talked with Ash yet, but I did a quick scan and it seems pretty close. Good job! I think you should consider sending the draft as-is to the rest of the Annex 6 Subcommittee and see if there are other items that can be reported by other federal/state/tribal/provincial etc. partners

(Your document does a pretty good of capturing all of these items, but you might want to re-organize the write up so it directly parallels the official Science and Action Priorities identified by Annex 6 at the beginning of the three year management cycle as listed on binational.net)

<http://binational.net/2014/03/20/psa-pasa-2014/>

6. Aquatic Invasive Species	<ul style="list-style-type: none"> • Undertake ecological assessments of Aquatic Invasive Species (AIS) prevention programs. • Develop and evaluate early AIS detection technologies and methods. • Research and develop technologies and methods for control and eradication of AIS. • Determine the effects of habitat and climate change on risks of AIS establishment. 	<ul style="list-style-type: none"> • By 2015, develop and implement an early detection and rapid response initiative that coordinates effective domestic and, when necessary, binational response to prevent AIS from becoming established in the Great Lakes.
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	<ul style="list-style-type: none"> • Implement and evaluate risk assessments of species, pathways, and vectors of AIS. 	
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From: Hoff, Michael [mailto:michael_hoff@fws.gov]

Sent: Thursday, February 11, 2016 2:09 PM

To: Schardt, James <schardt.james@epa.gov>

Subject: Re: Don't worry about formatting... RE: GLWQA Progress Report of the Parties - template and timeline

Jamie: I certainly did not understand, from the email sent by Jennifer, that formatting was not needed now. I appreciated our conversation about that issue. As a result, I submitted our content. Have you and Ash yet reviewed the draft content I submitted?

On Thu, Feb 11, 2016 at 1:49 PM, Schardt, James <schardt.james@epa.gov> wrote:

Dear U.S. Annex Co-Leads:

Recently, we provided you with a draft template (using Annex 4 as the subject matter) for your respective chapters of the Progress Report to the Parties (PRP). We should have made clear that you need not worry about the fancy formatting; what we need from you is the substantive content that will go into your respective chapter. The formatting will be done by the U.S. and/or Canadian Secretariat.

To the extent possible, we do ask that you draft the substantive content with the formatting in mind; in other words, if you can make it easy for us to take your submitted material and convert it into the desired format, we would really appreciate it.

Thanks!

U.S. GLEC Secretariat

From: McKay, Jennifer (EC/EC) [<mailto:jennifer.mckay@canada.ca>]
Sent: Wednesday, February 03, 2016 3:43 PM
To: Carney, Wendy <carney.wendy@epa.gov>; Gee, Jon (EC/EC) <jon.gee@canada.ca>; Korleski, Christopher <korleski.christopher@epa.gov>; Marsden, John (EC/EC) <john.marsden@canada.ca>; Wise, Louise <Wise.Louise@epa.gov>; Galatone, Vincenza (EC/EC) <vincenza.galatone@canada.ca>; Hyde, Tinka <hyde.tinka@epa.gov>; Humphrey, Susan (EC/EC) <susan.humphrey@canada.ca>; Lorne.W.Thomas@uscg.mil; chris.wiley@tc.gc.ca; todd_turner@fws.gov; Gavin.Christie@dfo-mpo.gc.ca; lynn_lewis@fws.gov; nggranne@usgs.gov; VanStempvoort, Dale (EC/EC) <dale.vanstempvoort@canada.ca>; doug.kluck@noaa.gov; Quealey, Patrick (EC/EC) <patrick.quealey@canada.ca>; Horvatin, Paul <horvatin.paul@epa.gov>; Yerubandi, Ram (EC/EC) <ram.yerubandi@canada.ca>
Cc: Schardt, James <schardt.james@epa.gov>; Hinchey, Elizabeth <Hinchey.Elizabeth@epa.gov>; Laplante, Elizabeth <LaPlante.Elizabeth@epa.gov>; Sexton-sims, Aisha <Sexton-Sims.Aisha@epa.gov>; McKay, Jennifer (EC/EC) <jennifer.mckay@canada.ca>; Kumar, Ashij (EC/EC) <ashij.kumar@canada.ca>; Torchia, Carla (EC/EC) <carla.torchia@canada.ca>; deBeaumont, Diane (EC/EC) <diane.debeaumont@canada.ca>; Robertson, Linda (EC/EC) <linda.robertson@canada.ca>; Wood, Laurie (EC/EC) <laurie.wood@canada.ca>; Anderson, Janette (EC/EC) <janette.anderson@canada.ca>; Smith, Ted <Smith.Edwin@epa.gov>; Grams, Bradley <grams.bradley@epa.gov>; Spicer, Mary-Ann (EC/EC) <mary-ann.spicer@canada.ca>; Langley, Hugh (EC/EC) <hugh.langley@canada.ca>; Sealock, Lisa (EC/EC) <lisa.sealock@canada.ca>; Wortman, Santina <Wortman.Santina@epa.gov>; E, Sandra (EC/EC) <sandra.e@canada.ca>; Michael Hoff@fws.gov; amy_mcgovern@fws.gov; Rodriguez, Karen <rodriguez.karen@epa.gov>; Robert_Krska@fws.gov; heather.stirratt@noaa.gov; Stadler-Salt, Nancy (EC/EC) <

salt@canada.ca>; Vigneswaran, Shivani (EC/EC) <shivani.vigneswaran@canada.ca>
Subject: GLWQA Progress Report of the Parties - template and timeline

Dear Canadian and U.S. GLWQA Annex Co-Leads:

Please find attached the Draft Nutrients Annex Chapter to provide you with an example of a form and structure for you to follow for your specific annex chapters.

In addition to providing this draft chapter, the following is additional guidance:

- The previous annex template that was provided in September 2015 is no longer valid following direction from the GLEC Co-Chairs.
- Focus on the Key Commitments from your annex that you would like to highlight based on activities undertaken and progress achieved in the first 3 years – i.e., “What story do you want to tell for your annex?”
- Keep in mind your annexes’ Priorities for Science and Action (<http://binational.net/2014/03/20/psa-pasa-2014/>) and time-bounded commitments. We’re assuming that your Key Commitments being reported on will be directly aligned to the priorities for science and action that you identified for 2014-2016; if for some reason there was a priority for science or action that didn’t get covered off by reporting against Key Commitments then Co-Leads should discuss any work undertaken related to those specific priorities.
- The first page of the Draft Nutrients Annex Chapter includes a timeline towards the annexes’ time-bounded commitment – this may or may not work for other annexes so adjust as necessary or include other information.
- The bullets of progress achieved under the Key Commitments should be succinct. (You can refer to other sources of information that are available elsewhere / online.)

- The section on Domestic Actions should be concise – you may wish to include a longer list but we may need to cut back some of this text to allow for our overall recommended page limit of 50 pages. We will try to achieve a balance of input from all the agencies and organizations that provide you input for this section.
- Try to keep your Draft Annex Chapter to 4 pages maximum if possible.
- Use MS Word to develop your draft in text format and embed any images you wish. Do not use PowerPoint (as shown in the draft Nutrients Chapter Annex). We will be applying a uniform style and format once all the draft sections are submitted to the Secretariat.
- Engage your Secretariat staff representatives in the drafting of your chapters – this will speed up the review and revision process. On the Canadian side, Ash and Carla are able to work with you or your drafting team to assist or hold the pen if you wish. On the U.S. side, Chris, Jamie, and the other LAMP managers will be able to provide guidance.

Here is the revised draft timeline for the production of the Progress Report of the Parties:

- Feb 19 – Please respond to ashij.kumar@canada.ca and schardt.james@epa.gov to let us know who will be drafting your chapters.
- Feb-Apr 1 – ***Co-Leads draft their chapters and submit draft to Secretariat - April 1 (firm deadline)***; Secretariat staff draft article-related language and introductory language and assemble complete PRP
- Apr 4-8 – Secretariat review/revision with Co-Leads
- Apr 11-22 – GLEC Co-Chair review/revisions [2 week Co-Chair review and internal agency approvals]
- Apr 22 – “draft without prejudice” sent to GLEC members
- Apr 25 -May 13 – GLEC member review/input [to allow 3 full weeks for GLEC

member input]

- May 16-20 – Secretariat considers comments/makes revisions
- May 23-27 – GLEC Co-Chair review of final draft for presentation at GLEC
- May 27 – final draft sent to GLEC in advance of Jun GLEC (firm deadline)
- Jun 1-2 – final draft presented at Jun GLEC

If you have any questions please feel free to contact your Secretariat staff member.

Sincerely,

Jennifer McKay

GLEC Secretariat (Canada)

Environment Canada

Great Lakes Environment Office

Chris Korleski

GLEC Secretariat (U.S.)

U.S. Environmental Protection Agency

Great Lakes National Program Office

From: Haugland, John [<mailto:haugland.john@epa.gov>]

Sent: September 24, 2015 10:20 AM

To: Carney, Wendy; Gee, Jon [Ontario]; Korleski, Christopher; Marsden, John [Ontario]; Wise, Louise; Galatone, Vincenza [NCR]; Hyde, Tinka; Humphrey, Susan [Ontario]; Lorne.W.Thomas@uscg.mil; Wiley, Chris: TC; todd_turner@fws.gov; Christie, Gavin: DFO; lynn_lewis@fws.gov; nggranne@usgs.gov; VanStempvoort, Dale [Burlington]; doug.kluck@noaa.gov; Quealey, Patrick [Ontario]; Horvatin, Paul; Yerubandi, Ram [Burlington]

Cc: Haugland, John; Schardt, James; Hinchey, Elizabeth; Laplante, Elizabeth; McKay, Jennifer [Ontario]; Kumar, Ashij [Ontario]; Torchia, Carla [Ontario]; de Beaumont, Diane [Ontario]; Robertson, Linda [Ontario]; Phillips, Kelly [Ontario]; Wood, Laurie [Ontario]; Anderson, Janette [Burlington]; Smith, Ted; Grams, Bradley; Spicer, Mary-Ann [NCR]; Bernier, Sophie [NCR]; Langley, Hugh [NCR]; Sealock, Lisa [Ontario]; Wortman, Santina; George, Sandra E [Burlington]; Michael.Hoff@fws.gov; amy.mcGovern@fws.gov; Rodriguez, Karen; Robert.Krska@fws.gov; heather.stirratt@noaa.gov; Stadler-Salt, Nancy [Burlington]; Adams, Jackie

Subject: GLWQA Progress Report of the Parties

[sent on behalf of the GLEC Secretariat]

Dear Binational GLWQA Annex Subcommittee Co-Leads:

As you know, the Parties are required to “prepare...a binational Progress Report of the Parties (PRP) to document actions relating to this Agreement, taken domestically and binationally. The first such report shall be provided to the Public and the Commission before the second Great Lakes Public Forum...” This means that we are on the hook to have a *final* PRP released before October, 2016.

We will be presenting our plans for the PRP to the GLEC at our December meeting. We anticipate a report of approximately 50 pages in length that will cover the first three years of implementation of the GLWQA (from February 2013 through February 2016). In addition to reporting progress on the Articles of the Agreement, each Annex will need a chapter of its own, and given space constraints, we are planning for an average of 3-4 pages per annex. Attached, for your consideration, is a draft outline and a template for annex-specific chapters.

We are currently working with Annex 4 subcommittee staff to create a first-draft Nutrients chapter that we will share with you as a model for what we are looking for in annex chapters.

In the meantime, we are asking you to start gathering information on your key activities and what you will have accomplished between February 2013 and February 2016, and to consider if you will need any graphs, charts or images. If appropriate, we suggest you discuss with your subcommittees and any critical partners what key

commitments and priorities for science and action you will need to address in your chapters and aligning your key activities to these.

Please use the attached template to help your organization of the information. We don't know yet what the chapter formatting will be, but it is not too early to start putting paper to pen! We anticipate requesting first drafts or outlines of first drafts by **mid-November**. We will keep you updated as we work with the GLEC Co-Chairs to finalize our approach and timeline.

Sincerely,

Jennifer McKay

GLEC Secretariat (Canada)

Environment Canada

Great Lakes Environment Office

Chris Korleski

GLEC Secretariat (U.S.)

U.S. Environmental Protection Agency

Great Lakes National Program Office

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Michael Hoff

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